

AMENDMENTS TO THE SPECIFICATION:

Please add the following new subheading at page 1, after the title as follows:

BACKGROUND OF THE INVENTION

Please amend the paragraph beginning at page 1, line 4, as follows:

The present invention concerns an apparatus for collecting ground radar data with polarization information ~~as described in the preamble to claim 1.~~

Please add the following new subheading at page 2, between lines 13 and 14, as follows:

SUMMARY OF THE INVENTION

Please amend the paragraph beginning at page 2, line 13, as follows:

~~The object~~ One aspect of this invention is consequently to achieve an apparatus for collecting ground radar data with polarization information ~~that makes this possible and is achieved with an apparatus that exhibits the distinctive features and characteristics specified in claim 1.~~

Please amend the paragraph beginning at page 2, line 16, as follows:

~~More precisely, the idea of invention is essentially based on the~~ According to one example of the invention, there is provided a transmitter unit and sampler unit ~~plus the an~~ plus an A/D converter contained in the sampler unit being supported by ~~the a~~ a pair of antennas, ~~while the~~ A power source and ~~the a~~ a control unit are located in ~~the a~~ a main body and are electrically connected

to the transmitter unit and sampler unit via a slip-ring arrangement. ~~Hereby is achieved the advantage of~~ Thereby, only radar signals in digital form ~~being~~ are transferred via the slip-ring arrangement. Since digital signals are considerably less sensitive to interference than analogue signals, ~~the invention offers the~~ the advantage of is realized in that the analogue high frequency radar signals emitted from the transmitter unit ~~being~~ are received by the sampler unit and converted to digital signals before being transferred via the slip-ring arrangement to the control unit in the main body for further processing.

Please amend the paragraph beginning at page 3, line 20, as follows:

~~The~~ Embodiments of the present invention will be described below with reference to the attached drawing, which is only ~~shows as an example~~ one embodiment of an apparatus for collecting ground radar data with polarization information according to the invention.

Please add the following new subheading at page 3, between lines 22 and 23, as follows:

BRIEF DESCRIPTION OF THE FIGURES

Please add the following new subheading at page 3, between lines 24 and 25, as follows:

DETAILED DESCRIPTION OF PREFERRED EMBODIMENTS